

Amendments to the Claims

Please cancel Claims 1-16, and 18. Please amend Claims 17, and 19-25. The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1-16. (Canceled)

17. (Current Amended) The method of claim ~~16~~ 20 wherein the updated graphical weather image is transmitted upon detecting relevant weather.

18. (Canceled)

19. (Current Amended) The method of claim ~~18~~ 20 wherein the updated graphical weather image is transmitted based on severity of the weather in a source weather image.

20. (Current Amended) ~~The method of claim 18 wherein the updated graphical weather image is created by:~~

A computer implemented method of delivering graphical weather images through a satellite to an aircraft en route comprising the steps of:

determining an expected position of the aircraft based on a flight plan;

automatically transmitting to the aircraft an updated graphical weather image

covering the expected position of the aircraft; and

creating the updated graphical weather image by:

dividing a source image into a grid of cells;

selecting a color for each cell corner based on sampling an area defined by the cell corner; and

storing an indication of the selected color in an array dependent on the coordinates of the cell corner in the source image.

21. (Currently Amended) The method of claim ~~16~~ 20, wherein the updated graphical weather image is computed based on the expected position of the aircraft along the flight plan when the aircraft receives the updated graphical weather image.
22. (Currently Amended) The method of claim ~~16~~ 20, wherein an update providing the updated weather graphical weather image occurs based on a pilot configurable timer.
23. (Currently Amended) The method of claim ~~16~~ 20, wherein the aircraft sends position, ground track and ground speed information to a ground station so that the aircraft's location can be predicted when ~~the~~ a next weather update is scheduled.
24. (Currently Amended) The method of claim ~~16~~ 20, wherein the updated graphical weather image indicates relevant weather and is delivered based upon the severity of weather.
25. (Currently Amended) The method of claim ~~16~~ 20, wherein the aircraft receives a different updated graphical weather image than another aircraft based on the expected position in the flight plan.